

IN THE CLAIMS

1. (currently amended) A spectrometry instrument and an exchangeable accessory therefor including a manually operable mechanism for attaching the exchangeable accessory to the instrument, the mechanism including a manually rotatable camming means associated with one of the accessory or the instrument, a male member associated with the other of the accessory or the instrument, the male member having a camming surface which is engageable by the camming means, wherein the accessory is positionable on the instrument in a predetermined location and the camming means is manually rotatable to engage the camming surface of the male member and thereby lock the accessory on the instrument in the predetermined location, wherein the camming means includes a body having a recess formed therein, the recess having a curved camming surface which, interacts with the camming surface of the male member.

2. (cancel)

3. (original) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 2 wherein the camming surface of the male member is substantially spherical, and the recess of the camming means has a substantially complementary shape.

4. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 1 wherein the male member is biased in a direction towards the instrument or accessory with which it is associated, whereby engagement of the camming means with the camming surface of the male member moves the male member against the bias.

5. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 1 wherein the camming means and male member are substantially centrally located on facing surfaces of the instrument and the accessory.

6. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 1 wherein facing surfaces of the instrument and the accessory include projections and complementary recesses for establishing said predetermined location.

7. (original) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 5 wherein the camming means includes a shaft which extends to a peripheral surface of the instrument or accessory with which the camming means is associated, and a handle or knob the shaft adjacent said peripheral surface for facilitating manual operation of the camming means.

8. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 1 wherein the camming means is associated with the accessory and the male member is associated with the instrument.

9. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 1 including an electrical circuit for identifying any one of a plurality of exchangeable accessories that are connectable to the instrument, the electrical circuit including a voltage source and means for generating an identifying voltage therefrom, wherein each accessory includes at least one circuit element such that connection of an accessory to the instrument alters the identifying voltage to a value that is uniquely dependent upon the accessory that is connected to the instrument.

10. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 9 wherein the means for generating an identifying voltage from the voltage source is a voltage divider.

11. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 9 wherein the voltage source and means for generating an identifying voltage provide an open electrical circuit such that in the absence of an accessory the identifying voltage becomes the voltage of the voltage source thereby identifying the absence of an accessory.

12. (New) A spectrometry instrument and an exchangeable accessory therefore as claimed in claim 11 wherein the at least one circuit element of an accessory completes said open circuit.

13. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 12 wherein the at least one circuit element of an accessory is a circuit link that

connects the electrical circuit of the instrument to the instrument ground or a predetermined one of a plurality of voltages of the instrument, depending on the accessory.

14. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 11 wherein the accessory includes a plurality of circuit elements that complete said open electrical circuit.

15. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 9 wherein the at least one circuit element is a winding of an electrical motor of an accessory, whereby the identifying voltage is altered to a value that uniquely identifies the presence of the electrical motor.

16. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 9 wherein the electrical circuit of the instrument additionally provides for recognition of the presence of an electrical motor in an accessory.

17. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 16 wherein the winding of the motor completes an electrical circuit of the instrument that includes a voltage divider whereby a logic high signal is generated by the presence of the winding and a logic low signal in the absence of the winding.

18. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 9 including a computer having a microprocessor for reading the identifying voltage and thereby identifies the accessory connected to the instrument.

19. (previously amended) A spectrometry instrument and an exchangeable accessory therefor as claimed in claim 18 wherein the computer is programmed to automatically load programs for operating the instrument in measurement regimes involving the accessory which is connected to the instrument.